ABSTRACT

A star Intelligent Platform Management Bus ("IPMB") topology that uses independent intelligent platform management buses between a central Baseboard Management Controller ("BMC") and various satellite management controllers ("SMCs") is disclosed. An SMC is any

5 management controller that is not the central BMC. Thus, an SMC may or may not include BMC functionality. The star IPMB topology provides fault isolation such that if a satellite controller fails in a way that corrupts the IPMB to which it is connected, communication is only lost with the failed controller. In addition, the star IPMB topology offers separate address domains whereby multiple controllers can potentially have the same address. The star IPMB

10 topology further offers multiple owner security by isolating each module so that a module's controller can only directly communicate with the central BMC for the chassis.